

# FORM PTO-1449 TO BE FILED WITH INFORMATION DISCLOSURE STATEMENT

Sheet 1 of 4

Jc914 U.S. PTO  
09/712081  
11/14/00

#2  
ARJERS  
6/19/01

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE

ATTY. DOCKET NO.

SERIAL NO.

(Rev. 2-92)

PATENT AND TRADEMARK OFFICE

APPLICANT

Richard J. Thomas

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

FILING DATE

GROUP

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
Smith	5,027,281	6/25/91	Rekow et al	364/475.24	364/475.05	6/9/89
Weinhardt	5,448,472	9/5/95	Mushabac	364/413.28	364/474.37	11/14/90
Hayes	5,257,84	10/26/93	Mushabac	354/413.28	433/72	5/1/91
Smith	4,575,805	3/11/86	Moermann et al	364/474	364/168	8/23/84
Lucchesi	5,718,585	2/17/98	Dehoff et al	433/202.1	433/203.1	9/15/95
Echols	5,092,022	3/3/92	Duret	39/260.6	433/25	7/23/97
Ruggiero	5,452,219	9/19/95	Dehoff et al	364/474.05	364/413.28	3/29/84
Buczinski	5,940,170	8/17/99	Berg et al	365/5.1	365/5.15	8/19/98
Hellner	5,557,387	9/17/96	Hyde et al	356/5.01	356/2	9/21/94
	5,963,314	10/5/99	Worster et al	356/237.2	250/559.39	10/15/96
Harkcom	5,611,288	9/9/86	Duret et al	364/474	354/167	4/14/83
Elmore	5,768,134	6/16/98	Swaelens et al	364/468.28	623/16	4/11/95
Lucchesi	5,823,778	10/20/98	Schmitt et al	433/214	433/71	9/9/97
Ruggiero	5,224,049	6/29/93	Mushabac	364/474.05	264/222	5/21/90
Lucchesi	5,823,778	10/20/98	Schmitt et al	433/214	433/71	9/9/97
Ruggiero	5,224,049	6/29/93	Mushabac	364/474.05	264/222	5/21/90
Nelms	4,835,635	6/19/90	O'Harra	205/650	250/561	12/9/98
MacDonald	5,833,617	5/23/89	Wang	364/474.15	364/474.17	7/14/87
Stone	4,964,770	10/23/90	Steinbichler et al	433/223	433/214	7/12/88

## FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY CLASS	SUBCLASS	TRANSLATION
--------------	------	---------------	----------	-------------

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner	Date Considered
<i>[Signature]</i>	6/19/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation of not in conformance and not considered. Include copy of this form with next communication to applicant.

# FORM PTO-1449 TO BE FILED WITH INFORMATION DISCLOSURE STATEMENT

Sheet 2 of 4

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE

ATTY. DOCKET NO.

SERIAL NO.

(Rev. 2-92)

PATENT AND TRADEMARK OFFICE

APPLICANT

Richard J. Thomas

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

FILING DATE

GROUP

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
Lucchesi	5,908,299	6/1/99	Dehoff et al	433/202.1	433/197	12/10/97
Peshock	4,324,546	4/13/82	Heitlinger et al	433/25	433/213	7/14/80
O'Connor	5,413,481	5/19/95	Goppel et al	433/214	356/374	5/6/93
O'Connor	5,527,182	6/18/96	Willoughby	433/172	433/173	12/23/93
Wilson	5,725,376	3/10/08	Poirer	433/172	433/75	2/26/97
Jablon	4,837,732	6/6/89	Brandestiini et al	364/413.28	356/276	6/5/87
Mancene	5,605,459	2/25/97	Kuroda	433/214	433/213	8/31/95
	5,676,850	10/14/97	Reed et al	216/2	216/11	6/7/95
	5,189,781	3/2/83	Weiss et al	29/527.2	164/19	1/10/92

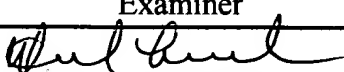
## FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY CLASS	SUBCLASS	TRANSLATION
--------------	------	---------------	----------	-------------

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Liedtke New 3-D Computer System Takes the Metal Out of Straightening Teeth  
 The Grand Rapids Press September 24, 2000 A9  
 Scope of Services from orthodontics.net  
 October 12, 2000 (date of download; date of publication unknown)

Graham New Topographic Map May Explain Martian History  
 Astronomy September, 1999 P.24  
 A New Look at the Martian Landscape  
 Science Vol. 284, May 28, 1999 P.1441

Examiner	Date Considered
	6/24/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation of not in conformance and not considered. Include copy of this form with next communication to applicant.

# FORM PTO-1449 TO BE FILED WITH INFORMATION DISCLOSURE STATEMENT

Sheet 3 of 4

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE

ATTY. DOCKET NO.

SERIAL NO.

(Rev. 2-92) PATENT AND TRADEMARK OFFICE

APPLICANT Richard J. Thomas

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

FILING DATE

GROUP

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

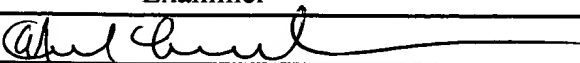
EXAMINER	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
----------	--------------	------	------	-------	----------	-------------

## FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY CLASS	SUBCLASS	TRANSLATION
--------------	------	---------------	----------	-------------

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- Physical Item: Mars Global Surveyor (MOLA-2) including Laser Altimeter  
launched November 7, 1996 by NASA and JPL
- ✓ Zuber et al The Mars Observer Laser Altimeter Investigation  
J. Geophys. Res. 97 P. 7781-7797
- ✓ Afzal Mars Observer Laser Altimeter: laser transmitter  
Applied Optics 33 P. 3184-3188
- ✓ Prizinsky Desktop Process Drives Technology House (Rapid Prototyping)  
Crain's Cleveland Business May 26, 1997, v. 18. n.21 P. 38
- ✓ Ashley Rapid Prototyping is Coming of Age  
Mechanical Engineering July, 1995 P.63
- ✓ Waterman Rapid Prototyping  
DE March, 1997 P.30
- ✓ Griffith et al Rapid Prototyping Technologies  
Rapid Prototyping 1998
- ✓ Ashley From CAD to Rapid Metal Tools  
Mechanical Engineering July, 1995 P. 75
- ✓ Bylinsky Industry's Amazing New Instant Prototypes  
Fortune Features Jan, 1998

Examiner	Date Considered
	6/26/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation of not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 TO BE FILED WITH  
INFORMATION DISCLOSURE STATEMENT

Sheet 4 of 4

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE

ATTY. DOCKET NO.

SERIAL NO.

(Rev. 2-92)

PATENT AND TRADEMARK OFFICE

APPLICANT

Richard J. Thomas

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

FILING DATE

GROUP

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
----------	--------------	------	------	-------	----------	-------------

FOREIGN PATENT DOCUMENTS

DOCUMENT NO.	DATE	COUNTRY CLASS	SUBCLASS	TRANSLATION
--------------	------	---------------	----------	-------------

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

*A* Hartwig Rapid 3D Modelers  
Design Engineer March, 1997 P. 38  
*u* Marketed Machine: Helisys LOM 1015  
Penn State University, PA 1998  
*w* Marketed Machine: Stratsys FDM-2000  
Penn State University, PA January, 1999

Examiner	Date Considered
<i>Shelton</i>	6/26/01

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation of not in conformance and not considered. Include copy of this form with next communication to applicant.